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エネルギー

IOPscienceでエネルギー企業にイノベーションを

エネルギーアプリケーションの開発にも、エネルギー貯蔵にも、再生可能エネルギーの生成および統合にも、またこれらの分野の学際的研究に　重点を置く場合も、その研究にぜひ利用したいリソースが**IOPscience** です。

IOPscience を利用すると、研究開発部門の創造性と革新性を推進するうえで必要なコンテンツが見つかります。

エネルギー分野に必須のコンテンツ:

- Energy transition
- Energy applications
- Sustainable energy and fuels
- Renewable generation and integration
- Batteries and energy storage
- Energy systems and infrastructure
- Low carbon transition
- Energy and transport
- Energy economics
- Battery modelling
- Bioenergy and Biofuels
- Corrosion science and technology
- Solar cell
- Fuel cell

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世界トップクラスのエネルギー企業のリサーチ特集

- Impact of Graphite Materials on the Lifetime of NMC811/Graphite Pouch Cells: Part II. Long-Term Cycling, Stack Pressure Growth, Isothermal
  Tesla Motors, USA
- Explaining the lack of power degradation of energy confinement in wide pedestal quiescent H-modes via transport modeling
  General Atomics, USA
- Glycerol as a Binder Additive for Low-Resistance Graphite Anodes in Lithium-Ion Batteries
  Samsung SDI R&D Center, Korea
- The Possibility of Intermediate–Temperature (120 °C)–Operated Polymer Electrolyte Fuel Cells using Perfluorosulfonic Acid Polymer Membranes
  Toray Research Center, Japan
- An Improved Cycling Performance of Different Types of Composite Sulfur-Carbon Cathodes with the Use of Lithium Polysulfides Containing Electrolyte Solutions
  Nichia, Japan

最近の特集記事

- Battery Modelling
  Progress in Energy
- Advanced Electrolysis for Renewable Energy Storage
  Journal of The Electrochemical Society
- Perovskite-Inspired Materials for Energy Applications
  Nanotechnology
- Advanced Nanomaterials for Energy, Environmental Science and Optoelectronic Devices
  Nanotechnology
- Energy Storage Research in China
  Journal of The Electrochemical Society
- Plasmas for Synthesis of Materials for a Sustainable Energy Future
  Journal of Physics D: Applied Physics
- Nanomaterials and Nano-Engineering for High Performance Lithium and Sodium Ion Batteries
  Nanotechnology

エネルギー分野で今注目の論題

- Vibrational Entropy Contribution to Mixing Free Energy of Ni-Rich $LiNi_{1-y}Co_yO_2$
- Effect of cobalt doping on the enhanced energy storage performance of 2D vanadium diselenide: experimental and theoretical investigations
- Energy Extraction from Capacitive Mixing: Experimental and Computational Analysis of Chemical Aspects
- Nanoscale Visualization of Reversible Redox Pathways in Lithium-Sulfur Battery Using In Situ AFM-SECM
- Research on State of Health for the Series Battery Module Based on the Weibull Distribution
- Green and Affordable Manufacturing Method for Multi-Scale Porous Carbon Nanofibers and Its Application in Vanadium Redox Flow Battery

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MARUZEN-YUSHODO

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丸善雄松堂株式会社［学術情報ソリューション事業部　企画開発統括部］
〒105-0022 東京都港区海岸1－9－18 国際浜松町ビル
e-mail: e-support@maruzen.co.jp
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